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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/806,967	03/23/2004	Mao-I Wu	24061.112 (TSMC2003-0571)	2328
27683 7590 08/20/2008 HAYNES AND BOONE, LLP 901 Main Street Suite 3100 Dallas, TX 75202			EXAMINER OSMAN, RAMY M	
			ART UNIT 2157	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/806,967	Applicant(s) WU, ET AL	
	Examiner RAMY M. OSMAN	Art Unit 2157	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 April 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Status of Claims

1. This action is responsive to amendment filed on April 22, 2008, where Applicant amended claims 14-15. Claims 1-20 are pending examination.

Response to Arguments

2. Applicant's arguments filed 4/22/08 have been fully considered but they are not persuasive.

3. Applicants amendment to the specification is acknowledged, however it is deemed as new matter since it extends beyond what is supported by the original disclosure. See objection below.

4. In section "Independent claim 1" on pages 7-9 of Applicants response, Applicant states that "*Examiner has not shown that all words in the claim have been considered*". Applicant argues that the secondary reference Kim does not disclose "accessing a first router through the first access point" and "accessing a second router through the second access point". Applicant further argues that it has not been shown "*how the elements being combined are performing their known or established function*".

In reply, Kim was not relied upon for the second router as Applicant alleges. Myers was relied upon to anticipate the second router. Kim is relied upon only in reference to the first router. Kim simply explains that it is common practice to use a router to maintain security for accessing the Internet from within an Intranet. It is obvious to do this so as to enable a visiting client to access the Internet from within the Intranet while maintaining security of the network.

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Furthermore, Applicants claim language is broad and does not preclude that “first router” from connecting to a network other than the first network. The claim only states that there are two routers. Since Myers discloses one router for a specific function (i.e. accessing Intranet) and Kim discloses a router for a different function (i.e. accessing Internet and Intranet), then combining the two routers into a single network would be obvious so as to enhance the versatility of the network while maintaining security of the network.

5. Applicant argues claims 13 and 19 on page 9 by referring to the argument of claim 1.

In reply, see response to claim 1 above.

6. Applicant argues that the dependent claims add additional features and are allowable along with the independent claims.

In reply, Applicant's arguments fail to comply with 37 CFR 1.111(b) because they amount to a general allegation that the claims define a patentable invention without specifically pointing out how the language of the claims patentably distinguishes them from the references.

Specification

7. The amendment filed 4/22/08 is objected to under 35 U.S.C. 132(a) because it introduces new matter into the disclosure. 35 U.S.C. 132(a) states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows:

[0064.1] The present disclosure can take the form of an entirely hardware embodiment, an entirely software embodiment, or an embodiment containing both hardware and software elements. Furthermore, embodiments of the present disclosure can take the form of a computer

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program product accessible from a tangible computer-usable or computer-readable medium providing program code for use by or in connection with a computer or any instruction execution system. For the purposes of this description, a tangible computer-usable or computer-readable medium can be any apparatus that can contain, store, communicate, propagate, or transport the program for use by or in connection with the instruction execution system, apparatus, or device. The medium can be an electronic, magnetic, optical, electromagnetic, infrared, a semiconductor system (or apparatus or device), or a propagation medium.

Applicant is required to cancel the new matter in the reply to this Office Action.

Claim Rejections - 35 USC § 101

8. Claims 16-18 rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The claims recite a "computer readable medium". Applicants amended specification mentions that the invention can be a software-only implementation. Therefore, the scope of the "computer readable medium" encompasses a software-only embodiment. Software per se does not fall within any of the statutory categories.

Applicants amended specification further mentions that the invention can be a propagation implementation. Therefore, the scope of the "computer readable medium" also encompasses signals and carrier waves. These also do not fall within any of the statutory categories.

See MPEP Chapter 2106.01 Section I.

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Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claims 1-3,5-15,17-20 rejected under 35 U.S.C. 103(a) as being unpatentable over Myers et al (US Patent Publication No 2004/0122956) in view of Kim et al (US Patent Publication No 2005/0005110).

11. In reference to claims 1, 13 & 19, Myers teaches a corresponding method, computer readable medium, and system, all respectively for providing network access, and comprising:

providing a first access point for a first computing device (see Figure 1B bottom #18, and see ¶55 lines 6-9, Myers discloses a radio unit (i.e. first access point) that is for customer mobile unit (i.e. first computing device));

connecting the first computing device to a first network (Figure 1B #56 and ¶ lines 11-12, Myers discloses connecting the customer mobile unit to the Internet (i.e. first network));

providing a second access point for a second computing device (Figure 1B top #18 and ¶ 55 lines 6-9, Myers discloses a second radio unit (i.e. second access point) that is for executive mobile unit (i.e second computing device));

accessing a second router through the second access point (Figure 1A #14 and ¶ 45 lines 3-6, Myers discloses accessing a router portal (i.e. second router) through the radio unit (i.e. second access point)); and

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connecting the second computing device to a second network (Figures 1A & 1B #52 and ¶ 51 lines 13-14, Myer discloses connecting the executive mobile unit to the Intranet (i.e. second network)).

Myers fails to explicitly teach where the first computing device accesses a first router through the first access point. However, Kim teaches that it is desirable to maintain network security for an intranet/internet system by providing service classes that permit or limit access to the network system (¶ 12 lines 1-7 and ¶ 30 lines 17-25). Kim discloses that for example, a visitor to the system can be limited to access only the internet (¶ 30 line 26), and the visitor would access the internet by connecting from the port 312 (Figure 3 #312) to the router 304 (Figure 3 #304), where the router 304 enables internet access for the visitor (¶ 30 lines 9-16). Therefore, it would have been obvious for one of ordinary skill in the art to modify Myers by enabling access to a first router through the first access point, where the first router would enable the first computing device to connect to a first network (i.e. internet), as per the teachings of Kim. One would have been motivated to do so for the purpose of maintaining network security for an intranet/internet system whereby a visitor to the system is limited to only access the internet through a router within the system and whereby the visitor is restricted from accessing information on the intranet. Combining the two routers (i.e. the router of Myers and the router of Kim) into a single network would be obvious so as to enhance the versatility of the network while maintaining security of the network.

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12. In reference to claims 2 and 15, Myers in view of Kim teach the method of claim 1 and the respective computer readable medium of claim 13, wherein the second network is a company intranet (Myers, Figures 1A & 1B #52 and ¶ 51 lines 13-14).

13. In reference to claims 3 and 14, Myers in view of Kim teach the method of claim 1 and the respective computer readable medium of claim 13, wherein the first network is the Internet (Myers, Figure 1B #56 and ¶ lines 11-12).

14. In reference to claims 5 and 17, Myers in view of Kim teach the method of claim 1 and the respective computer readable medium of claim 13, further comprising providing web access filtering for the first computing device (¶ 111 lines 6-20, Myers discloses web site filtering).

15. In reference to claims 6 and 18, Myers in view of Kim teach the method of claim 1 and the respective computer readable medium of claim 13, further comprising denying the first router any access to the second network (¶ 50, Myers discloses network segmentation).

16. In reference to claim 7, Myers in view of Kim teach the method of claim 1. Myers fails to explicitly teach further comprising providing a firewall to restrict access to the second network. However, Kim discloses a firewall 222 (Figure 3) that protects the intranet from external intruders (¶ 30 lines 1-3). It would have been obvious for one of ordinary skill in the art to modify Myers by providing a firewall to restrict access to the second network as per the teachings of Kim. One would be motivated to do so in order to protect the intranet from external intruders.

17. In reference to claim 8, Myers in view of Kim teach the method of claim 1 further comprising providing data encryption for the second computing device (Myers, ¶ 53 lines 1-6).

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18. In reference to claims 9 and 20, Myers in view of Kim teach the method of claim 1 and the respective system of claim 19, wherein the first computing device is a laptop computer (Myers, ¶ 41 line 5).

19. In reference to claim 10, Myers in view of Kim teach the method of claim 1 wherein the first computing device is a cellular telephone (Myers, ¶ 111 line 18).

20. In reference to claim 11, Myers in view of Kim teach the method of claim 1 wherein the first access point and the second access point belong to separate devices (Myers, Figure 1B top and bottom #18's).

21. In reference to claim 12, Myers in view of Kim teach the method of claim 1. Myers fails to explicitly teach wherein the first router and the second router belong to separate devices. However, Kim discloses two separate routers, one for the intranet connectivity and another for internet connectivity (Figure 3 and ¶ 30 lines 9-26) for enabling internet/intranet security. It would have been obvious for one of ordinary skill in the art to modify Myers where the first router and the second router belong to separate devices, as per the teachings of Kim. One would have been motivated to do so for the purpose of maintaining network security for an intranet/internet system whereby a visitor to the system is limited to only access the internet through a router within the system and whereby the visitor is restricted from accessing information on the intranet.

22. Claims 4,16 rejected under 35 U.S.C. 103(a) as being unpatentable over Myers et al (US Patent Publication No 2004/0122956) in view of Kim et al (US Patent Publication No 2005/0005110) in further view of Hericourt (US Patent No 6,792,461).

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23. In reference to claims 4 and 16, Myers in view of Kim teach the method of claim 1 and the respective computer readable medium of claim 13. Myers and Kim fail to explicitly teach routing to a proxy server through the first router. However, Hericourt discloses routing to a proxy server through a router where the proxy server is connected to the Internet (column 11 lines 9-18). Hericourt teaches that the proxy servers are utilized for the purpose of locally caching HTTP data from the Internet and providing the cached data to a workstation that sends a request for that particular HTTP data (column 11 lines 14-25). It would have been obvious for one of ordinary skill in the art to modify Myers and Kim by routing to a proxy server through the first router as per the teachings of Hericourt. One would be motivated to do so for the purpose of utilizing the proxy servers as cache servers in order to locally cache HTTP data from the Internet and then provide it to a workstation that sends a request for that particular HTTP data, and which increases efficiency.

Conclusion

24. The above rejections are based upon the broadest reasonable interpretation of the claims. Applicant is advised that the specified citations of the relied upon prior art, in the above rejections, are only representative of the teachings of the prior art, and that any other supportive sections within the entirety of the reference (including any figures, incorporation by references, claims and/or priority documents) is implied as being applied to teach the scope of the claims.

25. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

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will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramy M. Osman whose telephone number is (571) 272-4008. The examiner can normally be reached on M-F 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571) 272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ramy M Osman/
Examiner, Art Unit 2157